DHIHAN AHMED

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EDUCATION

Stevens Institute of Technology   *09/2021 - 05/2025*

B.S. in **Computer Science**

- *Honors:* Dean's List, The Edwin A. Scholarship
- *Relevant Coursework:* Web Programming, Operating Systems, Systems Programming, Data Structures, Algorithms, Agile Methodologies, Linear Algebra, Computer Architecture, Discrete Structures
- *Cumulative GPA:* 3.91/4.00

PROJECTS

QuickQuest: Real-Time Survey Platform [Website / Github]   *06/2024 - 09/2024*

- Developed a full-stack web application using **React** + **Next.js**, allowing users to create **real-time**, time-sensitive surveys that dynamically update as responses are submitted
- Leveraged **Firebase Authentication** for user authentication, supporting secure **Google Sign-In** for user verification
- Utilized **Firestore Cloud Database** for **real-time data storage**, enabling users to see live survey results
- Accumulated **100+ responses** from **50+ users** within the **first month** of launch

Piggy Bank: Digital Banking for Kids [Github]   *03/2024 - 05/2024*

- Engineered a full-stack web application utilizing **React**, **DaisyUI**, and **MongoDB** to promote financial literacy among children under parental supervision
- Implemented user authentication and role management with **Clerk**, and utilized **Redis** for efficient caching and data management

Roommate Roulette: Roommate Finder Application [Github]   *10/2023 - 12/2023*

- Collaboratively developed a full-stack web application enabling users to search for and match with potential roommates based on group credentials and preferences
- Produced **real-time in-app messaging** to facilitate communication between matched groups, enhancing user engagement
- Utilized **jQuery** and **Handlebars.js** for dynamic front-end development, achieving a responsive and user-friendly interface

CPUseless!: 8-bit CPU w/ Custom Assembler & Programming Language [Github]   *12/2022*

- Developed an **8-bit** CPU using **Logisim**, supporting arithmetic operations and instruction loading
- Implemented a custom **Python assembler** to translate high-level instructions into machine code

Climaction: Climate Change App [Devpost / Github]   *02/2022 - 03/2022*

- Developed an **iOS** app using **Figma** and **Bravo App** to motivate sustainable choices by our users
- Pioneered a gamified approach with "ClimateCoins," encouraging eco-friendly actions to support nonprofit charities
- Secured **1st place** in the **2022 Hoboken Climate Hackathon**

SKILLS

Languages: Python | JavaScript | C++ | C | HTML | CSS | Java

Software: Git | NodeJS | React | Next.js | MongoDB | Firebase | Firestore | Figma | Unix | Postman